

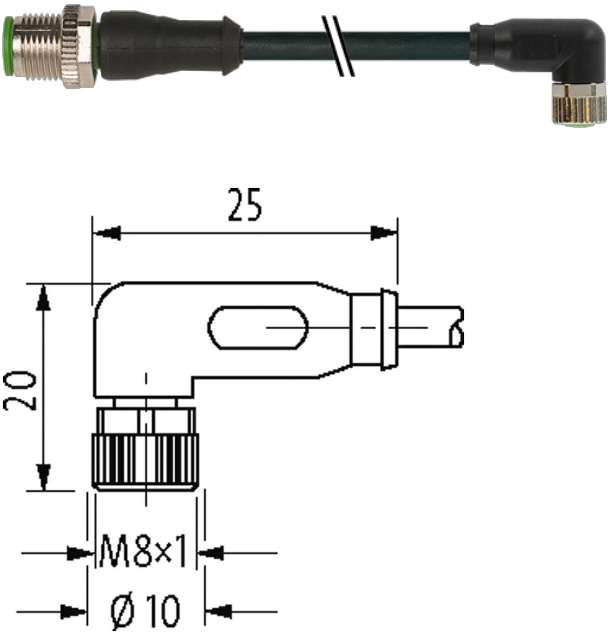
**M12 male 0° / M8 female 90°**

PUR 3x0.25 bk UL/CSA 2,7m

Male straight – female 90°  
M12 – M8, 3-pole  
Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request  
with cable sleeves  
Plastic housings with good resistance against chemicals and oils.  
The resistance to aggressive media should be individually tested for your application. Further details on request.  
Further cable lengths on request.

[Link to Product](#)

Illustration



Product may differ from Image

Approvals





\* only for products with UL/CSA approved cable

Form

Form 40601

General data

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Standards                  | DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) |
| Pollution Degree           | 3                                                 |
| Mounting method            | inserted, tightened                               |
| Material (housing surface) | Copper alloy                                      |
| Material (contact surface) | Au                                                |
| Material (gasket)          | FKM                                               |
| Temperature range          | -25...+85 °C, depending on cable quality          |

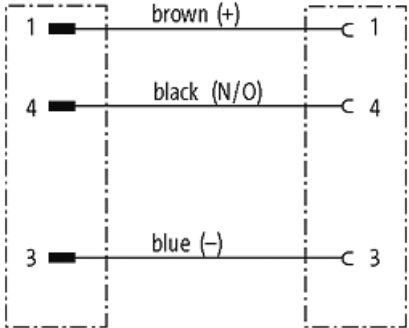
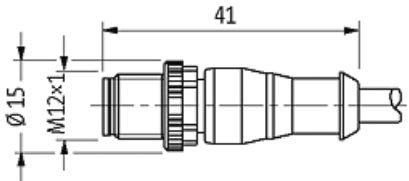
| Cables                             |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| No./diameter of wires              | 3× 0.25 mm <sup>2</sup>                                                                                                                                |
| Wire isolation                     | PVC (br, bl, bk)                                                                                                                                       |
| C-track properties                 | 2 Mio.                                                                                                                                                 |
| Material (jacket)                  | PUR/PVC (UL/CSA)                                                                                                                                       |
| Outer Ø                            | 4.5 mm ±5%                                                                                                                                             |
| Bend radius (moving)               | 15× outer Ø                                                                                                                                            |
| Temperature range (fixed)          | -30...+80 °C                                                                                                                                           |
| Temperature range (mobile)         | -5...+80 °C                                                                                                                                            |
| Cable identification               | 620                                                                                                                                                    |
| Cable Type                         | 2 (PUR/PVC)                                                                                                                                            |
| Approval (cable)                   | UL (AWM-Style 20549/1731), CSA; CE conform                                                                                                             |
| Cable weight [g/m]                 | 26,62                                                                                                                                                  |
| Material (wire)                    | Cu wire, bare                                                                                                                                          |
| Resistor (core)                    | max. 79 Ω/km (20 °C)                                                                                                                                   |
| Single wire Ø (core)               | 0.1 mm                                                                                                                                                 |
| Construction (core)                | 32× 0.1 mm (multi-strand wire class 6)                                                                                                                 |
| Diameter (core)                    | 3× 0.25 mm <sup>2</sup>                                                                                                                                |
| AWG                                | similar to AWG 24                                                                                                                                      |
| Material (wire isolation)          | PVC                                                                                                                                                    |
| Material property (wire isolation) | CFC-, cadmium-, silicone- and lead-free                                                                                                                |
| Shore hardness (wire isolation)    | 43 ±5 D                                                                                                                                                |
| Wire-Ø incl. isolation             | 1.25 mm ±5%                                                                                                                                            |
| Color/numbering of wires           | br, bk, bl                                                                                                                                             |
| Stranding combination              | 3 wires twisted                                                                                                                                        |
| Shield                             | no                                                                                                                                                     |
| Material (jacket)                  | PUR                                                                                                                                                    |
| Material property (jacket)         | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant |
| Shore hardness (jacket)            | 85 ±5 A                                                                                                                                                |
| Outer-Ø (jacket)                   | 4.5 mm ±5%                                                                                                                                             |
| Color (jacket)                     | black                                                                                                                                                  |
| chemical resistance                | good resistance to oil, gasoline and chemicals                                                                                                         |
| Nominal voltage                    | UL 300 V AC                                                                                                                                            |
| Test voltage                       | 2000 V AC                                                                                                                                              |
| Current load capacity              | to DIN VDE 0298-4                                                                                                                                      |
| Temperature range (fixed)          | -30...+80 °C                                                                                                                                           |
| Temperature range (mobile)         | -5...+80 °C                                                                                                                                            |
| Bend radius (fixed)                | 10× outer Ø                                                                                                                                            |
| Bend radius (moving)               | 15× outer Ø                                                                                                                                            |
| No. of bending cycles (C-track)    | max. 2 Mio. (25 °C)                                                                                                                                    |
| Traversing distance (C-track)      | max. 5 m (horizontal)                                                                                                                                  |
| Travel speed (C-track)             | max. 3.3 m/s                                                                                                                                           |
| Acceleration (C-track)             | max. 5 m/s <sup>2</sup>                                                                                                                                |
| Jacket Color                       | black                                                                                                                                                  |
| Technical Data                     |                                                                                                                                                        |
| Operating voltage                  | max. 50 V AC/60 V DC                                                                                                                                   |
| Operating voltage (only UL listed) | max. 30 V AC/DC                                                                                                                                        |
| Rated surge voltage                | 1.5 kV                                                                                                                                                 |

|                                           |                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------|
| Operating current per contact             | max. 4 A                                                                |
| Material group                            | IEC 60664-1, category I                                                 |
| No. of poles                              | 3                                                                       |
| Coding                                    | A-coded                                                                 |
| Locking of ports                          | Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing |
| Compression gland                         | M8 (SW9), M12 (SW13)                                                    |
| Protection                                | IP67 inserted and tightened (EN 60529)                                  |
| Locking material                          | Zinc die casting, matte nickel plated                                   |
| Material                                  | PUR                                                                     |
| suitable for corrugated tube (internal Ø) | M12 (10 mm); M8 (6.5 mm)                                                |

Commercial data

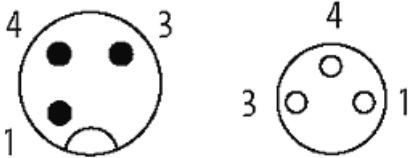
|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879344449 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

Sketch



Male

Female



Product may differ from Image